

Abstract

Methods and devices for occlusion of the fallopian tubes of a woman. The method involves thermally damaging the lining of the utero-tubal junction with relatively low power, followed by  
5 placement of a reticulated foam plug. In one embodiment, vascularized tissue grows into the plug and prevents or discourages formation of scar tissue around the plug. Another embodiment with a relatively small foam pore size encourages formation of a vascularized capsule around the plug. The  
10 presence of this vascularized capsule limits the patient's foreign body response, so that the capsule does not constrict around the plug. Also presented is a catheter designed for wounding the epithelial layer of the utero-tubal junction, and a method of using the catheter to form a long yet shallow lesion  
15 in the utero-tubal junction.